

NOTES AND STATISTICS  
ON  
VACCINATION IN BURMA

FOR THE YEAR 1902-03.



RANGOON:

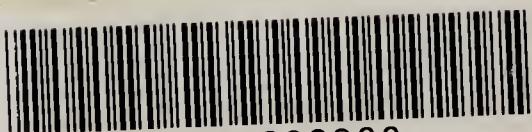
OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA.

1903.

[ Price,—Re. 0-5-0= 5½d.]

THACKER, SPINK & CO.  
P. O. BOX 84, CALCUTTA.

LIBRARY
+
Ann Rep
QW28
TM9
B96
1902-3



22501899988





NOTES AND STATISTICS  
ON  
VACCINATION IN BURMA  
FOR THE YEAR 1902-03.



RANGOON:  
OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA.  
—  
1903.

[ Price,—Re. 0-5-0=5½d. ]

### Official Agents.

---

#### INDIA—

MESSRS. THACKER, SPINK AND COMPANY, CALCUTTA.

#### BURMA—

THE PROPRIETOR, HANTHAWADDY PRESS, RANGOON.

THE SUPERINTENDENT, AMERICAN BAPTIST MISSION PRESS, RANGOON.

THE PROPRIETOR, " ARAKAN NEWS " PRESS, AKYAB.



[The maximum limit of the body of the note is 4 pages.]

TABLE OF CONTENTS.

NOTE AND STATISTICS ON VACCINATION IN BURMA FOR THE YEAR 1902-03.

							<i>Para.</i>	<i>Page.</i>
Strength of staff	...	...	...	...	...	...	1	i
Number vaccinated	...	...	...	...	...	...	2	ib.
Average work of each vaccinator	...	...	...	...	...	...	3	ib.
Primary vaccination	...	...	...	...	...	...	4	ib.
Re-vaccination	...	...	...	...	...	...	5	ib.
Age of those vaccinated	...	...	...	...	...	...	6	ib.
Protection to population	...	...	...	...	...	...	7	ib.
Expenditure on vaccination	...	...	...	...	...	...	8	2
Percentage of cost	...	...	...	...	...	...	9	ib.
Dispensary vaccination	...	...	...	...	...	...	10	iv.
Number of primary vaccinations and the number of successful primary vaccinations in each								
of the years of the decade ending 1902-03.				...	...	...	11	iv.
Inspections	...	...	...	...	...	...	12	ib.
Protection afforded to infants in Municipal Towns	...	...	...	...	...	...	13	ib.
Lymph supply	...	...	...	...	...	...	14	ib.



Digitized by the Internet Archive  
in 2019 with funding from  
Wellcome Library

<https://archive.org/details/b31496520>



NOTE AND STATISTICS  
ON  
VACCINATION IN BURMA  
FOR THE YEAR 1902-03.

---

The report consists of brief notes and the usual statements.

1. *Strength of staff.*—The average number of vaccinators employed throughout the year was 213 as compared with 194 in 1901-02, an increase of 1 in Lower and 18 in Upper Burma. According to districts the staff was increased by three at Shwebo, three at Minbu, three at Magwe, two at Meiktila, two at Yamèthin, and five in the Northern Shan States. Statement I.

The supervising staff was increased by one. The extra appointment was for the Northern Shan States.

2. *Number vaccinated.*—The total number of operations performed aggregated 370,510 as against 352,976 in the previous year or an increase of 17,534. The increase was entirely in Upper Burma. Statement I.

Civil Surgeons explain the falling off in Lower Burma as due to—

- (a) the attitude of the people who have a predilection for inoculation. They fully understand that vaccination is not compulsory outside municipal limits, nor inoculation illegal, so that villages which willingly submitted to vaccination in past years now hold aloof altogether on one pretext or another;
- (b) a closer supervision of the work of vaccinators and to the punishments inflicted for false returns;
- (c) to the indifferent class of men who seek employment, as vaccinators and to the frequent number of resignations when they are pressed in the matter of work, thus leading to frequent changes in the staff.

The unrestricted practice of inoculation undoubtedly exercises an injurious effect upon vaccination.

3. *Average work of each vaccinator.*—The average number of vaccinations performed by each vaccinator was 1,739 against 1,829 in the previous year. For Lower and Upper Burma the figures are respectively 1,580 and 1,966 per vaccinator. Statement I.

4. *Primary vaccination.*—The number of primary operations performed was 348,007 with a percentage of success of 87·14. In the previous year primary vaccinations numbered 329,686 and the rate of success was 90·27. Statement I.

5. *Re-vaccination.*—The number of persons re-vaccinated during the year was 22,503 as compared with 23,290 in the year preceding. The reported rate of success was 46·83 per cent. against 51·90 in the previous year. Statement I.

6. *Age of those vaccinated.*—Of the ages of those successfully vaccinated 78,674 were infants under one year of age, 167,376 children between one and six years and 57,201 over six years and adults. Thus out of every 100 persons successfully vaccinated, 26 were infants under one year of age, 55 children between one and six years and 19 of other ages. Statement I.

7. *Protection to population.*—The comparative statement and diagram required by the Government of India form Appendices A and C to this report. Appendices A. & C.

Period.	RATIO PER 1000 OF	
	Population successfully vaccinated.	Mortality from small-pox.
1897-02	55 2'02	7'91
1902-03	27 9'49	2'77

The statement in the margin shows the protection per 1,000 of population and the mortality per 1,000 from small-pox during 1902-03 and the quinquennium 1897-1902.

Statement II.

8. The total expenditure on account of vaccination including all charges was Rs. 85,828-11-2 or Rs. 6,691-9-3 more than in the previous year.

The increase in the expenditure was due principally to the extra charges incurred in connection with the opening and establishing of the vaccine depôt at Meiktila. A sum of Rs. 6,070-8-1 was spent on contingencies, which amount includes charges on account of equipping the depôt with furniture, etc.

The cost of each successful case was 4 annas 5 pies as against 4 annas 1 pie in 1901-02. The increase in the average cost is apparent only owing to the initial cost in establishing the vaccine depôt at Meiktila. Deducting the cost on the depôt the average cost works out to 3 annas 11 pies.

The average cost per each successful case varied from 1 rupee 11 pies in Thônghwa; 14 annas 5 pies in Salween; 14 annas 4 pies in Thatôn; 10 annas 11 pies in Northern Shan States to 1 anna 5 pies in Shwebo, 1 anna 6 pies in the Lower Chindwin district and 1 anna 9 pies in Henzada.

Statement II.

9. *Percentage of cost.*—The percentage of total cost borne by Government and other funds in each of the years 1901-02 and 1902-03 is given in the margin.

Year.			Government.	Municipality.	Local Funds.	Native States.
1901-02	...	...	25'62	23'13	50'74	'51
1902-03	...	...	31'53	19'84	45'78	2'85

ment and under Government to establishing the depôt at Meiktila.

Statement III.

10. *Dispensary vaccination.*—The number of operations performed amounted to 11,263 as against 7,248 in the previous year. Of these 6,622 were primary and 4,641, re-vaccinations. The rates of success attained were 76.08 and 54.54 respectively.

Most of the towns at which dispensaries are situated employ vaccinators, which accounts for the small amount of vaccination work done at our medical institutions.

A circular was issued impressing on all Medical Officers the importance of performing dispensary vaccination whenever possible and thus to popularize vaccination as a whole.

Statement IV.

11. *Statemet No. IV.* compares the number of primary vaccinations and the number of successful primary vaccinations in each of the years of the decade ending 1902-03 by Government, Municipal, and Local Funds as well as in Native States and at dispensaries and in Cantonments. An increase is noticeable everywhere except in Local Funds.

Statement V.

12. *Inspections.*—The percentage of inspections to total number was 37 as against 36 in 1901-02.

The inspections by Native Superintendents though showing a slight improvement, are still not satisfactory.

The percentage of successes reported by vaccinators calls for no remarks.

Appendix B.

13. *Protection afforded to infants in Municipal Towns.*—Appendix B shows the protection afforded to children within Municipal limits and an improvement is evident.

14. *Lymph supply.*—A vaccine depôt for the manufacture of vaccine lymph for the whole province was started at Meiktila on the 1st February 1902 in a hired house.

The number of calves inoculated was 386. Of these 19 failed to take, 7 took so badly that they were not utilized and 18 had to be rejected after inoculation as they developed cattle disease (rinderpest and foot-and-mouth disease). From the remainder a total of 24,343 grains of lymph was collected.

This lanoline paste is distributed in collapsible leaden tubes holding on an average 20 grains each.



The quality of the lymph was on the whole satisfactory. It is tested at the depôt before distribution. Nevertheless the results as stated by Civil Surgeons are often conflicting. Thus a paste, proved active, was sent to Katha and to Thama-khan in the Southern Shan States and the reports received from Katha showed a successful result of 92 per cent. whilst at the other station it was stated to have entirely failed. Some of the identical paste was subsequently used by the Civil Surgeon, Meiktila, who obtained 100 per cent. of success.

Again, paste manufactured from one particular calf was sent to the Civil Surgeons of Meiktila, Toungoo, Myitkyina, Taunggyi and Mogôk. Reports from the four first-mentioned stations showed successful results varying from 75 to 100 per cent. while Mogôk reported total failure. The cause of failure is apparently want of skill or careless storage on the part of vaccinators.

In March and April, owing to the high temperature, the results of calf vaccination at the depôt was not as satisfactory as in the cold weather.

I visited the depôt at Meiktila on several occasions and cannot speak too highly of Captain Penny's work there. There was some difficulty at first in obtaining calves, but these he overcame with tact and management and the results attained have been on the whole satisfactory.

When the new buildings are erected the depôt will have better facilities for carrying on the work.

RANGOON :        }  
The 28th May 1903. }

C. C. LITTLE, COL., M.D., I.M.S.,  
*Superintendent-General of Vaccination, Burma.*



# APPENDICES.

---

*Page.*

## A.—VACCINATION DEPARTMENT.

Statement No. I.—Showing particulars of vaccination in the Province of Burma for the year 1902-03.	6
Statement No. II.—Showing the cost of the department in the Province of Burma for the year 1902-03	8

## B.—DISPENSARY VACCINATION.

Statement No. III.—Showing dispensary vaccination in the Province of Burma for the year 1902-03...	10
Statement No. IV.—Showing the number of persons primarily vaccinated and the number of those persons who were successfully vaccinated in the Province of Burma in each of the undermentioned official years 1893-94 to 1902-03	12
Statement No. V.—Showing particulars of vaccination verified by Inspecting officers	<i>ib.</i>
Appendix A.—Showing the ratio per 10,000 successfully vaccinated and the mortality from small-pox by quinquennial periods for Lower Burma only	14
Appendix B.—Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them	<i>ib.</i>
Appendix C.—Diagram showing the proportion of population protected during the seven official years 1896-97 to 1902-03 and the death-rate from small-pox during the calendar year 1902 in districts where registration is in force	15

## A.—VACCINATION

STATEMENT NO. I.—*Showing particulars of Vaccination in the*

No.	Circles and Districts.	Population of districts according to census of 1901.	Average population per square mile.	Average number of vaccinators employed throughout the season.	Total number of persons vaccinated.			Average number of persons vaccinated by each vaccinator.	Total.
					Males.	Females.	Total.		
1	2	3	4	5	6			7	8
	ARAKAN DIVISION.								
1	Akyab ... ..	481,666	94	6	5,018	3,456	8,474	1,412	7,879
2	Hill Tracts, Northern Arakan ...	20,682	4	1	733	356	1,089	1,089	1,089
3	Kyaukpyn ... ..	168,827	38	6	3,572	3,013	6,585	1,098	6,373
4	Sandoway ... ..	90,927	24	3	1,175	1,140	2,315	772	2,315
	Total ... ..	762,102	41	16	10,498	7,965	18,463	1,154	17,656
	PEGU DIVISION.								
5	Rangoon ... ..	234,881	12,362	5	6,324	2,641	8,965	1,793	5,110
6	Hanthawaddy ... ..	484,811	160	6	2,256	2,316	4,572	762	4,340
7	Pegu ... ..	339,572	79	8	6,220	6,302	12,522	1,565	12,098
8	Tharrawaddy ... ..	395,570	139	8	5,989	5,827	11,816	1,477	11,762
9	Prome ... ..	265,804	125	11	11,233	10,262	21,495	1,954	20,464
	Total ... ..	1,820,638	139	38	32,022	27,348	59,370	1,562	53,774
	IRRAWADDY DIVISION.								
10	Thongwa ... ..	484,410	139	12	2,116	1,852	3,968	331	3,907
11	Bassein ... ..	391,427	95	9	8,225	7,055	15,280	1,698	13,120
12	Heinzada ... ..	484,558	169	15	19,614	19,078	38,692	2,579	37,778
13	Myaungmya ... ..	303,274	102	6	6,179	5,596	11,775	1,963	11,091
	Total ... ..	1,663,669	124	42	36,134	33,581	69,715	1,660	65,896
	TENASSERIM DIVISION.								
14	Amherst ... ..	300,173	43	6	8,162	5,830	13,992	2,332	12,965
15	Tavoy ... ..	109,979	21	5	8,192	7,813	16,005	3,201	13,236
16	Mergui ... ..	88,744	9	3	2,230	2,017	4,247	1,416	4,158
17	Thaton ... ..	313,510	68	7	2,079	2,152	4,231	604	4,231
18	Toungoo ... ..	279,315	45	7	5,422	4,968	10,390	1,484	10,028
19	Salween ... ..	37,837	14	1	592	463	1,055	1,055	1,054
	Total ... ..	1,159,558	32	29	26,677	23,243	49,920	1,721	45,672
	MANDALAY DIVISION.								
20	Mandalay ... ..	366,507	173	8	7,793	7,964	15,757	1,970	13,187
21	Bhamo ... ..	79,515	19	2	1,863	1,597	3,460	1,730	3,081
22	Katha ... ..	176,223	25	1	838	974	1,812	1,812	1,812
23	Ruby Mines ... ..	87,694	16	2	1,640	1,567	3,207	1,604	3,189
24	Myitkyina ... ..	67,399	6	1	651	504	1,155	1,155	1,108
	Total ... ..	777,338	26	14	12,785	12,606	25,391	1,814	22,377
	SAGAING DIVISION.								
25	Shwebo ... ..	286,891	51	8	8,222	9,198	17,420	2,178	17,319
26	Sagaing ... ..	282,658	152	4	4,265	4,616	8,911	2,228	8,646
27	Lower Chindwin ... ..	276,383	79	3	5,579	6,032	11,611	3,870	11,490
28	Upper Chindwin ... ..	154,551	18	4	4,976	5,197	10,173	2,543	9,819
	Total ... ..	1,000,483	33	19	23,042	25,073	48,115	2,532	47,274
	MINBU DIVISION.								
29	Thayetmyo ... ..	239,706	50	7	10,737	10,190	20,927	2,990	19,155
30	Pakokku ... ..	356,489	57	3	2,814	2,476	5,290	1,763	4,853
31	Minbu ... ..	233,377	71	6	5,052	5,358	10,410	1,735	10,014
32	Magwe ... ..	246,708	85	6	4,674	4,530	9,204	1,534	9,204
	Total ... ..	1,076,280	63	22	23,277	22,554	45,831	2,083	43,226
	MEIKTILA DIVISION.								
33	Meiktila ... ..	252,305	116	4	4,649	4,787	9,436	2,359	9,408
34	Yamethin ... ..	213,197	57	7	4,868	4,530	9,398	1,343	8,890
35	Kyaukse ... ..	141,253	111	3	3,206	3,572	6,778	2,259	6,387
36	Myingyan ... ..	356,052	114	5	6,140	5,849	11,989	2,398	11,360
	Total ... ..	992,807	91	19	18,863	18,738	37,601	1,979	36,045
	SHAN STATES.								
37	Northern Shan States ...	321,090	22	8	3,354	3,444	6,798	850	6,798
38	Southern Shan States ...	816,354	19	5	4,052	3,875	7,927	1,585	7,919
	Total ... ..	1,137,444	20	13	7,406	7,319	14,725	1,133	14,717
	CHIN HILLS.								
39	Chin Hills ... ..	87,189	11	1	706	673	1,379	1,379	1,370
	Total ... ..	87,189	11	1	706	673	1,379	1,379	1,370
	GRAND TOTAL ... ..	10,477,508	45	213	191,410	179,100	370,510	1,739	348,007

NOTE.—A. PEGU.—One additional Vaccinator was sanctioned

B. SHWEBO.—Three additional Vaccinators were

C. MINBU.—Three temporary hands were engaged

D. MAGWE.—Two additional Vaccinators were

E. MEIKTILA.—Two temporary Vaccinators were engaged for the greater part of

F. YAMETHIN.—Two additional Vaccinators

\* Average for three years as figures are available only

† No figures under columns 9, 10, 11, 14 and 16 are available. The Civil Surgeon



DEPARTMENT.

Province of Burma during the year 1902-03—(Paras 1 to 6).

MARY VACCINATION.			REVACCINATION.		PERCENTAGE OF SUCCESSFUL CASES.		Persons successfully vaccinated per 1,000 of population.	AVERAGE NUMBER OF PERSONS SUCCESSFULLY VACCINATED DURING PREVIOUS FIVE YEARS.		AVERAGE ANNUAL NUMBER OF DEATHS FROM SMALL-POX DURING PREVIOUS FIVE YEARS.	
Successful.			Total.	Success-ful.	Primary.	Revac-cination.		Number.	Ratio per 1,000.	Number.	Ratio per 1,000.
Under one year.	Over one and under six years.	Total of all ages.									
9	10	11	12	13	14	15	16	17	18	19	20
1,712 24 1,486 351	4,330 225 3,663 1,028	7,337 1,042 5,850 1,883	595 ... 212 ...	472 ... 194 ...	93·12 95·68 91·79 81·34	79·33 ... 91·51 ...	16·21 50·33 35·80 20·71	7,607 1,123 9,368 12,285	15·79 54·30 55·49 135·11	9 ... 91 12	·02 ... ·54 ·13
3,573	9,251	16,112	807	666	91·26	82·53	22·02	30,383	39·87	112	·15
1,740 324 1,831 1,951 3,290	788 2,573 6,855 5,631 12,416	2,578 3,325 10,851 8,296 19,015	3,855 232 424 54 1,031	1,703 164 335 33 396	50·45 76·61 89·69 70·53 92·92	44·18 70·69 79·01 61·11 38·41	18·23 7·20 32·94 21·06 53·06	6,660 14,792 11,195 17,024 24,446	28·35 30·51 32·97 43·04 66·83	257 362 371 519 86	1·09 ·75 1·09 1·31 ·23
9,186	28,263	44,065	5,596	2,631	81·94	47·02	25·65	74,117	40·71	1,595	·88
919 2,378 7,267 2,529	2,475 7,105 19,343 4,793	3,550 12,140 34,811 10,354	61 2,160 914 634	52 896 524 249	90·86 92·53 92·16 93·35	85·25 41·48 57·33 36·40	7·44 33·30 72·92 34·96	17,649 15,683 35,956 7,193	36·43 40·07 74·20 23·72	423 166 190 251	1·00 ·42 ·39 ·83
13,093	33,716	60,855	3,819	1,721	92·35	45·06	37·61	76,481	45·97	1,030	·62
2,902 2,261 665 1,313 5,557 12	5,026 5,182 1,427 1,412 3,253 141	11,883 10,683 3,117 3,179 9,576 518	1,027 2,769 89 ... 362 1	269 586 8 ... 222 ...	91·69 80·71 74·96 75·14 95·49 49·15	26·19 21·16 8·99 ... 61·33 ...	40·50 102·47 35·21 9·25 35·08 13·69	13,575 15,055 5,303 16,467 11,004 986	61·88 136·89 59·76 47·94 39·40 26·06	186 182 107 222 145 ...	·62 1·65 1·21 ·80 ·52 ...
12,710	16,411	33,961	4,248	1,035	85·31	25·54	34·54	67,390	58·12	842	·73
7,745 1,074 236 832 206	3,969 1,170 1,067 1,193 519	12,770 2,625 1,706 2,853 976	2,570 379 ... 18 47	1,616 213 ... 12 39	96·84 85·20 94·15 89·46 88·09	62·88 56·20 ... 66·67 82·48	39·25 35·69 9·68 32·67 15·06	16,511 2,698 2,009 3,183 788	45·05 33·93 11·40 36·30 11·69	25 ... ... ... ...	·07 ... ... ... ...
10,093	7,918	20,930	3,014	1,880	93·53	62·38	29·34	25,189	32·40	25	·03
2,636 3,640 2,404 956	10,345 3,018 6,746 5,016	15,127 6,658 9,448 8,035	101 265 121 354	71 143 76 104	87·34 77·01 86·58 81·83	70·30 53·96 62·81 29·38	52·97 24·06 36·27 52·66	17,215 9,705 8,142 6,516	60·01 34·33 29·46 42·16	*16 *61 *177 ...	·06 ·22 ·64 ...
9,686	25,125	39,768	841	394	84·12	46·85	40·14	41,578	41·56	254	...
1,891 1,883 2,826 2,956	10,337 1,651 4,882 4,257	17,796 3,853 8,423 8,797	1,772 437 396 ...	1,308 71 233 ...	92·91 79·39 84·11 95·58	73·81 16·25 58·84 ...	79·70 11·01 37·09 35·66	19,524 6,860 6,341 7,704	81·45 19·24 27·17 31·23	84 *478 *285 *325	·35 1·34 1·22 1·32
9,556	21,127	38,869	2,605	1,612	89·69	61·88	37·61	40,429	37·56	1,172	...
749 2,905 2,867 2,230	6,497 4,185 1,970 6,620	8,189 8,259 5,145 10,459	28 508 391 629	15 104 109 322	87·04 92·90 80·55 92·07	53·57 20·47 27·88 51·19	32·52 34·39 37·20 30·28	3,772 8,339 6,128 10,339	14·95 34·29 43·38 29·04	*14 *103 *1 *265	·06 ·42 ·01 ·74
8,751	19,272	32,052	1,556	550	88·92	35·35	32·84	28,578	28·79	383	...
345 1,681	3,173 3,090	5,125 6,514	... 8	... ...	75·39 82·26	... ...	15·96 7·98	2,567 3,710	7·99 4·54	... ...	... ...
2,026	6,263	11,639	8	...	79·09	...	10·23	6,277	5·52	...	...
...†	...†	...†	9	...	...†	...	...†	...	...	...	...
...†	...†	...†	9	...	...†	...	...†	...	...	...	...
78,674	167,376	303,251	22,503	10,539	87·14	46·83	29·95	390,422	37·26	...	...

for Nyaunglebin town from 1st February 1903.  
sanctioned from 1st February 1903.  
for the greater part of the year.  
sanctioned and entertained from 1st March 1903.  
the year. The establishment was increased by three Vaccinators from 1st March 1903.  
were sanctioned from 1st March 1903.  
since 1899 when registration of deaths in districts of Upper Burma was enforced.  
under a misapprehension did not require his vaccinator to verify cases performed by him.

## A.—VACCINATION

STATEMENT NO. II.—*Showing the cost of the Department in the*

No.	Circle and Districts.	EXPENDITURE.										
		European super- vising officer.	Pay.	Native super- vising officer.	Pay.	Vaccinators.	Pay.	Clerks.	Pay.	Peons, &c.	Pay.	Total pay of establishment.
1	2	3	4	5	6	7	8	9	10	11	12	13
ARAKAN DIVISION.												
			Rs. A. P.		Rs. A. P.		Rs. A. P.		Rs. A. P.		Rs. A. P.	Rs. A. P.
1	Akyab ...	...	.....	2	900 0 0	6	1,814 15 10	...	.....	...	.....	2,714 15 10
2	Hill Tracts, Northern Arakan...	...	.....	...	.....	1	240 0 0	...	.....	...	.....	240 0 0
3	Kyaukpyu ...	...	.....	...	.....	6	1,441 0 0	...	.....	...	.....	1,441 0 0
4	Sandoway ...	...	.....	...	.....	3	833 0 0	...	.....	...	.....	833 0 0
	Total	...	.....	2	900 0 0	16	4,328 15 10	...	.....	...	.....	5,228 15 10
PEGU DIVISION.												
5	Rangoon Vaccine Depôt ...	...	.....	...	.....	...	.....	...	.....	3	432 0 0	432 0 0
6	Rangoon ...	...	.....	...	.....	5	2,693 3 7	...	.....	...	.....	2,693 3 7
7	Hanthawaddy ...	...	.....	1	600 0 0	6	1,012 2 1	...	.....	...	.....	1,612 2 1
8	Pegu ...	...	.....	...	.....	8	1,924 15 7	...	.....	...	.....	1,924 15 7
9	Tharrawaddy ...	...	.....	1	464 8 3	8	1,917 7 9	...	.....	...	.....	2,382 0 0
10	Prome ...	...	.....	...	.....	11	2,905 8 1	...	.....	...	.....	2,905 8 1
	Total	...	.....	2	1,064 8 3	33	10,453 5 1	...	.....	3	432 0 0	11,949 13 4
IRRAWADDY DIVISION.												
11	Thongwa ...	...	.....	...	.....	12	3,003 1 0	...	.....	...	.....	3,003 1 0
12	Bassein ...	...	.....	2	713 0 0	9	2,222 12 11	...	.....	...	.....	2,935 12 11
13	Henzada ...	...	.....	...	.....	15	3,818 11 4	...	.....	...	.....	3,818 11 4
14	Myaungmya ...	...	.....	...	.....	6	1,575 0 6	...	.....	...	.....	1,575 0 6
	Total	...	.....	2	713 0 0	42	10,619 9 9	...	.....	...	.....	11,332 9 9
TENASSERIM DIVISION.												
15	Amherst ...	...	.....	2	1,118 1 2	6	1,896 9 4	1	80 0 0	...	.....	3,094 10 6
16	Tavoy ...	...	.....	...	.....	5	1,410 3 5	...	.....	...	.....	1,410 3 5
17	Mergui ...	...	.....	...	.....	3	780 0 0	...	.....	...	.....	780 0 0
18	Thaton ...	...	.....	1	380 6 2	7	1,821 0 0	...	.....	...	.....	2,201 6 2
19	Toungoo ...	...	.....	1	480 0 0	7	1,542 0 0	...	.....	...	.....	2,022 0 0
20	Salween Hill Tracts ...	...	.....	...	.....	1	390 0 0	...	.....	...	.....	390 0 0
	Total	...	.....	4	1,978 7 4	29	7,839 12 9	1	80 0 0	...	.....	9,898 4 1
MANDALAY DIVISION.												
21	Mandalay ...	...	.....	1	600 0 0	8	2,618 14 7	...	.....	...	.....	3,248 14 7
22	Bhamo ...	...	.....	...	.....	2	393 2 0	...	.....	...	.....	393 2 0
23	Katha ...	...	.....	...	.....	1	166 3 7	...	.....	...	.....	166 3 7
24	Ruby Mines ...	...	.....	...	.....	2	620 0 0	...	.....	...	.....	620 0 0
25	Myitkyina ...	...	.....	...	.....	1	345 3 1	...	.....	...	.....	345 3 1
	Total	...	.....	1	600 0 0	14	4,173 7 3	...	.....	...	.....	4,773 7 3
SAGAING DIVISION.												
26	Shwebo ...	...	.....	...	.....	8	1,040 12 1	...	.....	...	.....	1,040 12 1
27	Sagaing ...	...	.....	...	.....	4	780 0 0	...	.....	...	.....	780 0 0
28	Lower Chindwin ...	...	.....	...	.....	3	736 8 9	...	.....	...	.....	736 8 9
29	Upper Chindwin ...	...	.....	...	.....	4	865 13 4	...	.....	...	.....	865 13 4
	Total	...	.....	...	.....	19	3,423 2 2	...	.....	...	.....	3,423 2 2
MINBU DIVISION.												
30	Thayetmyo ...	...	.....	...	.....	7	2,122 8 0	...	.....	...	.....	2,122 8 0
31	Pakokku ...	...	.....	...	.....	3	469 0 0	...	.....	...	.....	469 0 0
32	Minbu ...	...	.....	...	.....	6	1,245 3 0	...	.....	...	.....	1,245 3 0
33	Magwe ...	...	.....	1	120 0 0	6	957 0 0	...	.....	...	.....	1,077 0 0
	Total	...	.....	1	120 0 0	22	4,793 11 0	...	.....	...	.....	4,913 11 0
MEIKTILA DIVISION.												
34	Meiktila Vaccine Depôt.	...	.....	1	900 0 0	...	.....	1	524 10 9	6	878 15 1	2,303 9 10
35	Meiktila ...	...	.....	...	.....	4	844 4 5	...	.....	...	.....	844 4 5
36	Yamethin ...	...	.....	1	60 0 0	7	1,135 11 10	...	.....	...	.....	1,195 11 10
37	Kyaukse ...	...	.....	...	.....	3	691 0 0	...	.....	...	.....	691 0 0
38	Myingyan ...	...	.....	...	.....	5	1,056 0 0	...	.....	...	.....	1,056 0 0
	Total	...	.....	2	960 0 0	19	3,730 0 3	1	524 10 9	6	878 15 1	6,093 10 1
SHAN STATES.												
39	Northern Shan States ...	...	.....	1	300 0 0	8	1,947 13 9	...	.....	...	.....	2,247 13 9
40	Southern Shan States ...	...	.....	...	.....	5	1,117 12 5	...	.....	...	.....	1,117 12 5
	Total	...	.....	1	300 0 0	13	3,065 10 2	...	.....	...	.....	3,365 10 2
CHIN HILLS.												
41	Chin Hills ...	...	.....	...	.....	1	300 0 0	...	.....	...	.....	300 0 0
	Total	...	.....	...	.....	1	300 0 0	...	.....	...	.....	300 0 0
	GRAND TOTAL for the Province...	...	.....	15	6,635 15 7	213	52,727 10 3	2	604 10 9	9	1,310 15 1	61,279 3 8



## DEPARTMENT

Province of Burma during the year 1902-03 (Paras. 8 and 9).

			PAID FROM					Total.	Number of all successful vaccinations and re-vaccinations.	Average cost of each successful case.
Travelling allowance.	Contingen- cies.	Total cost.	Imperial funds.	Provincial funds.	Local funds.	Municipa- lities.	Native States.			
14	15	16	17	18	19	20	21	22	23	24
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.
632 8 6	101 10 2	3,449 2 6	.....	306 14 0	2,731 10 4	410 10 2	.....	3,449 2 6	7,809	0 7 1
65 14 0	.....	305 14 0	.....	305 14 0	.....	.....	.....	305 14 0	1,042	0 4 8
396 12 0	.....	1,837 12 0	.....	.....	1,717 0 0	120 12 0	.....	1,837 12 0	6,044	0 4 10
402 9 0	.....	1,235 9 0	.....	.....	1,175 9 0	60 0 0	.....	1,235 9 0	1,883	0 10 6
1,497 11 6	101 10 2	6,828 5 6	.....	612 12 0	5,624 3 4	591 6 2	.....	6,828 5 6	16,778	0 6 6
.....	909 6 10	1,341 6 10	.....	490 0 0	.....	851 6 10	.....	1,341 6 10	...	.....
.....	116 5 0	2,809 8 7	.....	330 0 0	.....	2,479 8 7	.....	2,809 8 7	4,281	0 10 6
427 0 6	20 3 0	2,059 5 7	.....	.....	2,059 5 7	.....	.....	2,059 5 7	3,489	0 9 5
725 8 10	.....	2,650 8 5	.....	.....	2,362 8 5	288 0 0	.....	2,650 8 5	11,186	0 3 9
683 12 8	113 10 0	3,179 6 8	.....	.....	2,312 8 8	866 14 0	.....	3,179 6 8	8,329	0 6 1
903 13 0	.....	3,809 5 1	.....	.....	3,219 14 8	589 6 5	.....	3,809 5 1	19,411	0 3 2
2,740 3 0	1,159 8 10	15,849 9 2	.....	820 0 0	9,954 5 4	5,075 3 10	.....	15,849 9 2	46,696	0 5 5
811 12 0	.....	3,814 13 0	.....	.....	3,457 5 0	357 8 0	.....	3,814 13 0	3,602	1 0 11
1,000 9 10	51 13 0	3,988 3 9	.....	.....	3,100 8 4	837 11 5	.....	3,988 3 9	13,036	0 4 11
.....	.....	3,818 11 4	.....	.....	2,361 11 4	1,454 0 0	.....	3,818 11 4	35,335	0 1 9
405 5 0	5 0 0	1,985 5 6	.....	.....	1,935 5 6	.....	.....	1,985 5 6	10,603	0 3 0
2,217 10 10	56 13 0	13,607 1 7	.....	.....	10,907 14 2	2,699 3 5	.....	13,607 1 7	62,576	0 3 6
822 12 0	269 14 0	4,187 6	.....	.....	3,070 7 4	1,116 13 2	.....	4,187 4 6	12,157	0 5 6
302 12 0	.....	1,712 1 5	.....	.....	1,232 15 5	480 0 0	.....	1,712 15 5	11,269	0 2 5
286 13 10	32 15 0	1,099 1 10	.....	.....	859 12 10	240 0 0	.....	1,099 12 10	3,125	0 5 8
650 5 0	.....	2,851 11 2	.....	.....	2,431 11 2	420 0 0	.....	2,851 11 2	3,179	0 14 4
773 3 6	.....	2,795 3 6	.....	.....	2,326 3 6	469 0 0	.....	2,795 3 6	9,793	0 4 7
76 2 0	.....	466 2 0	.....	.....	466 2 0	.....	.....	466 2 0	518	0 14 5
2,912 0 4	302 13 0	13,113 1 5	.....	.....	10,387 4 3	2,725 13 2	.....	13,113 1 5	40,046	0 5 3
352 13 0	469 15 9	4,071 11 4	.....	1,853 1 8	.....	2,218 9 8	.....	4,071 11 4	14,386	0 4 6
161 9 0	5 4 0	562 15 0	.....	407 5 0	.....	155 10 0	.....	562 15 0	2,833	0 3 2
108 6 0	1 0 0	275 9 7	.....	275 9 7	.....	.....	.....	275 9 7	1,706	0 2 7
129 2 5	.....	749 2 5	.....	429 2 5	.....	.....	320 0 0	749 2 5	2,865	0 4 2
106 2 6	2 7 0	453 12 7	.....	453 12 7	.....	.....	.....	453 12 7	1,015	0 7 2
861 0 11	478 10 9	6,113 2 11	.....	3,418 15 3	.....	2,374 3 8	320 0 0	6,113 2 11	22,810	0 4 3
301 9 0	13 15 0	1,359 4 1	.....	1,156 4 1	.....	203 0 0	.....	1,359 4 1	15,193	0 1 5
371 4 0	.....	1,151 4 0	.....	911 4 0	.....	240 0 0	.....	1,151 4 0	6,801	0 2 9
179 1 0	43 12 0	959 5 9	.....	696 5 9	.....	263 0 0	.....	959 5 9	10,024	0 1 6
254 12 8	22 2 6	1,142 12 6	.....	1,142 12 6	.....	.....	.....	1,142 12 6	8,139	0 2 3
1,109 10 8	79 13 6	4,612 10 4	.....	3,906 10 4	.....	706 0 0	.....	4,612 10 4	40,162	0 1 10
644 13 0	18 1 0	2,785 6 0	.....	.....	2,180 2 0	605 4 0	.....	2,785 6 0	19,104	0 2 4
173 2 0	102 12 6	741 14 6	.....	516 10 6	.....	228 4 0	.....	741 14 6	3,924	0 3 0
210 2 0	41 13 0	1,497 2 0	.....	884 9 0	.....	612 9 0	.....	1,497 2 0	8,656	0 2 9
235 8 0	47 4 0	1,359 12 0	.....	819 12 0	240 0 0	300 0 0	.....	1,359 12 0	8,797	0 2 6
1,263 9 0	209 14 6	6,387 2 6	.....	2,220 15 6	2,420 2 0	1,746 1 0	.....	6,387 2 6	40,481	0 2 6
.....	6,070 8 1	8,374 1 11	.....	8,374 1 11	.....	.....	.....	8,374 1 11	.....	.....
506 5 9	.....	1,350 10 2	.....	1,350 10 2	.....	.....	.....	1,350 10 2	8,204	0 2 8
318 9 6	34 2 0	1,551 7 4	.....	951 7 4	.....	600 0 0	.....	1,551 7 4	8,363	0 3 0
325 5 0	.....	1,016 5 0	.....	1,016 5 0	.....	.....	.....	1,016 5 0	5,254	0 3 1
342 5 0	79 0 5	1,477 5 5	.....	967 14 1	.....	509 7 4	.....	1,477 5 5	10,781	0 2 2
1,492 9 3	6,183 10 6	13,769 13 10	.....	12,660 6 6	.....	1,109 7 4	.....	13,769 13 10	32,602	0 6 9
1,178 6 6	70 8 0	3,496 12 3	1,373 15 6	.....	.....	.....	2,122 12 9	3,496 12 3	5,125	0 10 11
518 0 0	49 3 3	1,684 15 8	1,684 15 8	.....	.....	.....	.....	1,684 15 8	6,514	4 0 2
1,696 6 6	119 11 3	5,181 11 11	3,058 15 2	.....	.....	.....	2,122 12 9	5,181 11 11	11,639	0 7 1
66 0 0	.....	366 0 0	366 0 0	.....	.....	.....	.....	366 0 0	.....	.....
66 0 0	.....	366 0 0	366 0 0	.....	.....	.....	.....	366 0 0	.....	.....
15,856 14 0	8,692 9 6	85,823 11 2	3,424 15 2	23,833 11 7	39,293 12 1	17,027 6 7	2,412 12 9	85,823 11 2	313,790	0 4 5

B.—DISPENSARY

STATEMENT NO. III.—*Showing Dispensary Vaccination in the*

No.	District.	Number of dispensaries in each district to which a vaccinator is attached.	Average number of vaccinators attached to dispensaries during the season.	Total number of persons vaccinated.	Average number of persons vaccinated by each vaccinator.
1	2	3	4	5	6
ARAKAN DIVISION.					
1	Akyab ...	...	...	13	...
2	Hill Tracts, Northern Arakan...	...	...	95	...
3	Kyaukpyu ...	...	...	167	...
4	Sandoway ...	...	...	...	...
	Total	...	...	275	...
PEGU DIVISION.					
5	Rangoon ...	...	...	1,847	...
6	Hanthawaddy ...	...	...	588	...
7	Pegu ...	...	...	426	...
8	Tharrawaddy ...	...	...	92	...
9	Prome ...	...	...	...	...
	Total	...	...	2,953	...
IRRAWADDY DIVISION.					
10	Thongwa ...	...	...	973	...
11	Bassein ...	...	...	7	...
12	Henzada ...	...	...	481	...
13	Myaungmya ...	...	...	1,617	...
	Total	...	...	3,078	...
TENASSERIM DIVISION.					
14	Amherst...	...	...	762	...
15	Tavoy ...	...	...	28	...
16	Mergui ...	...	...	...	...
17	Thaton ...	...	...	423	...
18	Toungoo ...	...	...	45	...
19	Salween, Hill Tracts	...	...	...	...
	Total	...	...	1,258	...
MANDALAY DIVISION.					
20	Mandalay ...	...	...	286	...
21	Bhamo ...	...	...	234	...
22	Katha ...	...	...	122	...
23	Ruby Mines ...	...	...	38	...
24	Myitkyina ...	...	...	22	...
25	Mogaung (subdivision)	...	...	...	...
	Total	...	...	702	...
SAGAING DIVISION.					
26	Shwebo ...	...	...	78	...
27	Sagaing ...	...	...	193	...
28	Lower Chindwin ...	...	...	1,078	...
29	Upper Chindwin ...	...	...	...	...
	Total	...	...	1,349	...
MINBU DIVISION.					
30	Thayetmyo ...	...	...	333	...
31	Pakokku ...	...	...	11	...
32	Minbu ...	...	...	6	...
33	Magwe ...	...	...	163	...
	Total	...	...	513	...
MEIKTILA DIVISION.					
34	Meiktila ...	...	...	328	...
35	Yamethin ...	...	...	87	...
36	Kyaukse ...	...	...	2	...
37	Myingyan ...	...	...	...	...
	Total	...	...	417	...
SHAN STATES.					
38	Northern Shan States	...	...	91	...
39	Southern Shan States	...	...	144	...
	Total	...	...	238	...
CHIN HILLS.					
40	Chin Hills	...	...	480	...
	Total	...	...	480	...
	GRAND TOTAL	...	...	11,263	...



VACCINATION.

Province of Burma for the year 1902-03 (Para. 10).

Total.	PRIMARY VACCINATION.			RE-VACCINATION.		PERCENTAGE OF SUCCESSFUL CASES.	
	Successful.			Total.	Successful.	Primary.	Re-vaccination.
	Under one year.	Over one and under six years.	Total of all ages.				
7	8	9	10	11	12	13	14
... 13 95 142	... 1 9 17	... 6 44 10	... 10 87 142	... ... 25	... ... ...	... 76.92 91.58 100.00	... ... ...
250	27	60	239	25	...	95.60	..
... 248 588 417 92	... 36 88 83 49	... 107 437 178 38	... 211 571 295 92	... 1,599 ... 9 ...	... 1,025 ... 5 ...	... 85.08 97.11 70.74 100.00	... 64.10 ... 55.56 ...
1,315	256	760	1,169	1,608	1,030	86.91	64.05
2 7 6 1,065	... 4 ... 69	... 2 ... 386	2 7 4 993	971 ... 475 552	533 ... 419 130	100.00 100.00 66.67 93.24	54.89 ... 88.21 23.55
1,080	73	388	1,006	1,998	1,082	93.15	54.15
... 740 28 ... 9 45	... 130 1 ... 3	... 386 12 ... 1 23	... 653 19 ... 8 42	... 22 ... 414 ...	... 4 ... 206 ...	... 88.24 67.86 ... 88.89 93.33	... 18.18 ... 49.76 ...
822	134	422	722	436	210	87.83	48.17
... 254 21 118 38 22	... 59 ... 30 15 4	... 95 ... 52 14 11	... 216 19 104 32 15	... 32 213 4 ... ...	... 5 62 ... ... ...	... 85.04 90.48 88.14 84.21 68.18	... 15.63 29.11 ... ... ...
453	108	172	386	249	67	85.21	26.91
76 192 ... 1,071	13 42 ... 85	22 82 ... 327	35 130 ... 545	2 1 ... 7	... ... ... 4	46.05 67.71 ... 50.89	... ... 57.14
1,339	140	431	710	10	4	53.02	40.00
323 11 ... ...	57 ... ... ...	162 11 ... ...	272 11 ... ...	10 ... 6 163	5 ... 5 80	84.21 100.00 ... ...	50.00 ... 83.33 49.08
334	57	173	283	179	90	84.73	50.28
231 ... 86 2	5 ... 14 1	37 ... 22 1	156 ... 36 2	97 ... 1 ...	44 ... ...	67.53 ... 41.86 100.00	45.36 ... ...
319	20	60	194	98	44	60.82	44.90
93 144	16 64	41 38	67 132	1 ...	... ...	72.04 91.67	... ...
237	80	79	199	1	...	83.97	...
443	13	38	130	37	4	29.35	10.81
443	13	38	130	37	4	29.35	10.81
6,622	908	2,583	5,038	4,611	2,531	76.08	54.54

COMPARATIVE STATEMENT NO. IV.—*Showing the number of persons primarily vaccinated Burma, in each of the under*

Establishment.	PERSONS PRIMARILY									
	Total number.	Number success-fully vaccinat-ed.	Total number.	Number success-fully vaccinat-ed.	Total number.	Number success-fully vaccinat-ed.	Total number.	Number success-fully vaccinat-ed.	Total number.	Number success-fully vaccinat-ed.
	1893-1894.		1894-1895.		1895-1896.		1896-1897.		1897-1898.	
	1	2	3	4	5	6	7	8	9	10
Government ... ..	67,777	60,498	85,936	77,976	92,369	85,137	118,666	110,486	95,153	88,851
Municipal ... ..	72,315	62,372	64,647	57,908	81,340	74,204	83,282	78,036	82,934	78,827
Local Funds ... ..	91,302	82,233	113,991	102,437	155,537	142,638	188,718	172,580	222,231	210,880
Native States ... ..	...	...	...	...	...	...	...	...	...	...
Dispensary ... ..	4,143	3,455	6,690	6,127	6,056	5,546	5,466	4,964	5,151	4,891
Army ... ..	...	...	...	...	...	...	...	...	...	...
Europeans ... ..	761	443	97	53	68	45	31	26	80	50
Natives ... ..			533	354	604	329	655	390	379	249
Total ... ..	236,298	209,001	271,894	244,855	335,974	307,899	396,818	366,482	405,928	383,748

STATEMENT NO. V.—*Showing particulars of*

Number.	District.	TOTAL NUMBER OF PERSONS VACCINATED.		TOTAL NUMBER INSPECTED			
				By Deputy Sanitary Commissioner or Civil Surgeon.		By Native Superintendents or other Inspecting Officers.	
				Primary.	Re-vaccination.	Primary.	Re-vaccination.
1	2	3	4	5	6	7	8
1	Akyab ... ..	7,879	595	1,080	595	3,941	595
2	Arakan Hill Tracts ... ..	1,102	...	...	...	32	...
3	Kyaukpyu ... ..	6,463	212	539	5	29	...
4	Sandoway ... ..	2,457	25	801	...	142	25
5	Rangoon ... ..	5,110	3,855	2,918	1,953	...	...
6	Hanthawaddy ... ..	4,588	1,831	108	1,290	2,013	408
7	Pegu ... ..	12,686	424	2,510	16	391	29
8	Tharrawaddy ... ..	12,179	63	1,371	7	5,216	33
9	Prome ... ..	20,556	1,031	2,421	230	794	801
10	Thongwa ... ..	3,909	1,032	134	975	256	...
11	Bassein ... ..	13,127	2,160	1,999	934	3,890	1,097
12	Henzada ... ..	37,784	1,389	2,833	783	717	396
13	Myaungmya ... ..	12,156	1,236	5,025	898	713	16
14	Amherst ... ..	12,963	1,027	1,493	63	7,034	572
15	Tavoy ... ..	13,976	2,791	3,066	386	906	1,776
16	Mergui ... ..	4,186	89	1,175	...	259	...
17	Thaton ... ..	4,231	...	2,490	...	1,588	...
18	Toungoo ... ..	10,037	776	933	414	4,033	225
19	Salween ... ..	1,099	1	...	...	217	...
20	Mandalay ... ..	13,187	2,570	3,682	1,160	3,724	271
21	Bhamo ... ..	3,335	411	1,094	182	226	2
22	Katha ... ..	1,833	213	794	203	21	213
23	Ruby Mines ... ..	3,307	22	1,915	8	37	2
24	Myitkyina ... ..	1,163	47	536	9	186	29
25	Shwebo ... ..	17,395	103	3,783	21	1,561	2
26	Sagaing ... ..	8,838	266	1,537	67	202	1
27	Lower Chindwin ... ..	11,490	121	5,818	60	35	61
28	Upper Chindwin ... ..	10,890	361	590	3	414	4
29	Thayetmyo ... ..	19,478	1,782	817	576	1,231	302
30	Pakokku ... ..	4,864	437	2,233	436	11	...
31	Minbu ... ..	10,014	402	1,459	7	601	354
32	Magwe ... ..	9,204	163	816	163	345	...
33	Meiktila ... ..	9,639	125	3,490	20	174	82
34	Yamethin ... ..	8,890	508	3,577	383	1,723	...
35	Kyaukse ... ..	6,473	392	3,345	204	161	1
36	Myingyan ... ..	11,362	629	4,954	518	820	20
37	Lashio ... ..	6,891	1	1,314	...	2,071	...
38	Taunggyi ... ..	8,063	8	161	...	730	...
39	Chin Hills ... ..	1,813	46	357	27	433	4
Grand total for the Province ... ..		354,629	27,144	73,218	12,651	46,882	7,321



and the number of those persons who were successfully vaccinated in the Province of mentioned official years (Para. 11).

VACCINATED.

Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
1898-1899.		1899-1900.		1900-1901.		1901-1902.		1902-1903.	
7		8		9		10		11	
116,621	106,892	122,193	112,483	106,829	95,392	91,530	83,082	120,384	101,166
81,987	78,636	72,287	69,705	62,338	58,008	52,227	46,695	55,352	47,049
238,334	228,367	260,518	248,803	215,111	193,789	181,107	166,283	165,218	149,585
2,108	1,941	1,764	1,631	1,574	1,420	1,822	1,553	7,053	5,451
8,209	7,278	6,033	5,421	6,653	4,229	3,971	3,033	6,622	5,038
...	...	...	...	...	...	...	...	...	...
53	42	28	19	23	10	20	9	25	11
546	363	782	344	391	207	114	67	359	233
447,858	423,519	463,605	438,406	392,719	358,055	333,791	300,722	355,013	308,583

Vaccination verified by Inspecting Officers (Para. 12).

PERCENTAGE OF INSPECTIONS TO TOTAL NUMBER VACCINATED				PERCENTAGE OF CASES FOUND SUCCESSFUL OF TOTAL NUMBER INSPECTED.				PERCENTAGE OF SUCCESS REPORTED BY VACCINATORS.	
By Deputy Sanitary Commissioner or Civil Surgeon.		By Native Superintendents or other Inspecting Officers.		By Deputy Sanitary Commissioner or Civil Surgeon.		By Native Superintendents or other Inspecting Officers.			
Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.	Primary.	Re-vaccination.
9	10	11	12	13	14	15	16	17	18
13.71	100.00	50.02	100.00	93.70	79.33	91.12	79.33	93.12	79.33
...	...	2.90	...	...	...	71.88	...	95.68	...
8.33	2.36	.45	...	87.01	100.00	31.03	...	9.18	91.51
32.60	...	5.78	100.00	99.13	...	100.00	...	81.34	...
57.10	50.66	...	...	90.54	80.75	...	...	50.45	44.18
2.24	70.45	43.88	22.28	80.58	63.26	80.92	71.32	76.61	70.69
19.79	3.77	3.08	6.84	88.73	85.00	94.12	82.76	89.69	79.01
11.26	11.11	42.83	52.38	75.78	57.14	70.03	57.58	70.53	61.11
11.78	22.31	3.86	77.69	90.62	76.52	90.30	31.28	92.92	38.41
3.43	94.48	6.55	...	90.30	54.77	91.41	...	90.86	85.25
15.23	45.56	29.63	50.79	89.89	43.09	81.95	45.94	92.53	41.48
7.50	56.37	1.90	28.51	89.48	91.06	79.92	47.98	92.15	57.33
41.34	72.65	5.91	1.29	91.44	24.61	92.90	56.25	93.35	36.40
11.55	6.13	54.25	55.70	87.25	38.10	93.45	31.47	91.69	26.19
21.94	13.83	6.48	63.63	85.88	37.82	89.18	19.37	80.71	21.16
28.07	...	6.19	...	84.85	...	98.46	...	74.96	8.99
58.85	...	37.53	...	71.12	...	72.86	...	75.14	...
9.30	53.35	40.18	23.99	90.46	49.76	94.37	68.00	95.49	61.33
...	...	19.75	...	...	...	52.07	...	49.15	...
27.92	45.14	28.24	10.54	98.56	59.74	90.31	65.31	96.84	62.88
32.80	44.28	6.78	.49	74.77	38.46	90.27	50.00	85.20	56.20
43.32	95.31	1.15	100.00	93.95	30.54	90.48	29.11	94.15	...
57.91	36.36	1.12	9.09	96.81	75.00	86.49	...	89.46	66.67
45.89	19.15	15.92	61.70	86.01	88.89	85.48	100.00	88.09	82.98
21.75	20.39	8.97	1.94	85.96	80.95	84.43	...	87.34	70.30
17.39	25.19	2.29	.38	77.88	62.69	84.65	...	77.00	53.96
50.64	49.59	.30	50.41	84.31	80.00	40.00	45.90	86.58	62.81
5.42	.83	3.80	1.11	75.93	...	62.32	100.00	81.83	29.38
4.19	32.32	6.32	16.95	99.14	95.14	93.99	66.56	92.91	73.81
46.94	99.77	.23	...	90.89	16.23	100.00	...	79.39	16.25
14.57	1.74	6.00	88.06	75.39	42.86	90.18	58.47	84.11	58.84
8.87	100.00	3.75	...	97.79	49.08	100.00	...	95.58	...
36.21	16.00	1.81	65.60	76.53	40.00	71.84	47.56	87.04	53.57
40.24	76.38	19.38	...	88.23	17.27	98.08	...	92.90	20.47
51.68	52.04	2.49	.26	82.90	32.84	100.00	...	80.55	27.88
43.60	82.35	7.22	3.18	92.65	53.86	86.46	80.00	92.07	51.19
19.07	...	30.05	...	90.26	...	73.35	...	75.39	...
2.00	...	9.05	...	96.27	...	84.11	...	82.26	...
19.69	58.70	23.88	8.70	67.51	11.11	66.74	50.00	...	...
20.65	46.61	13.22	26.97	87.31	58.53	65.76	43.44	87.14	46.83

APPENDIX A.

Showing the ratio per 10,000 successfully vaccinated and the mortality from Small-pox by quinquennial periods for Lower Burma only (Para. 7).

Official year.	Ratio per 10,000 successfully vaccinated.	Quinquennial mean.	Calendar year.	Ratio per 10,000 of mortality from small-pox.	Quinquennial mean.
1	2	3	4	5	6
1887-1888	167.00	217.88	1887	.60	4.58
1888-1889	197.90		1888	1.60	
1889-1890	266.70		1889	7.70	
1890-1891	243.60		1890	10.10	
1891-1892	214.20		1891	2.90	
1892-1893	257.90	383.70	1892	3.20	4.18
1893-1894	303.50		1893	6.80	
1894-1895	353.80		1894	3.80	
1895-1896	448.90		1895	3.40	
1896-1897	554.40		1896	3.70	
1897-1898	586.70	552.02	1897	4.30	7.91
1898-1899	652.50		1898	10.70	
1899-1900	678.10		1899	13.20	
1900-1901	511.40		1900	6.80	
1901-1902	331.40		1901	4.57	
1902-1903	299.49		1902	2.77	

APPENDIX B.

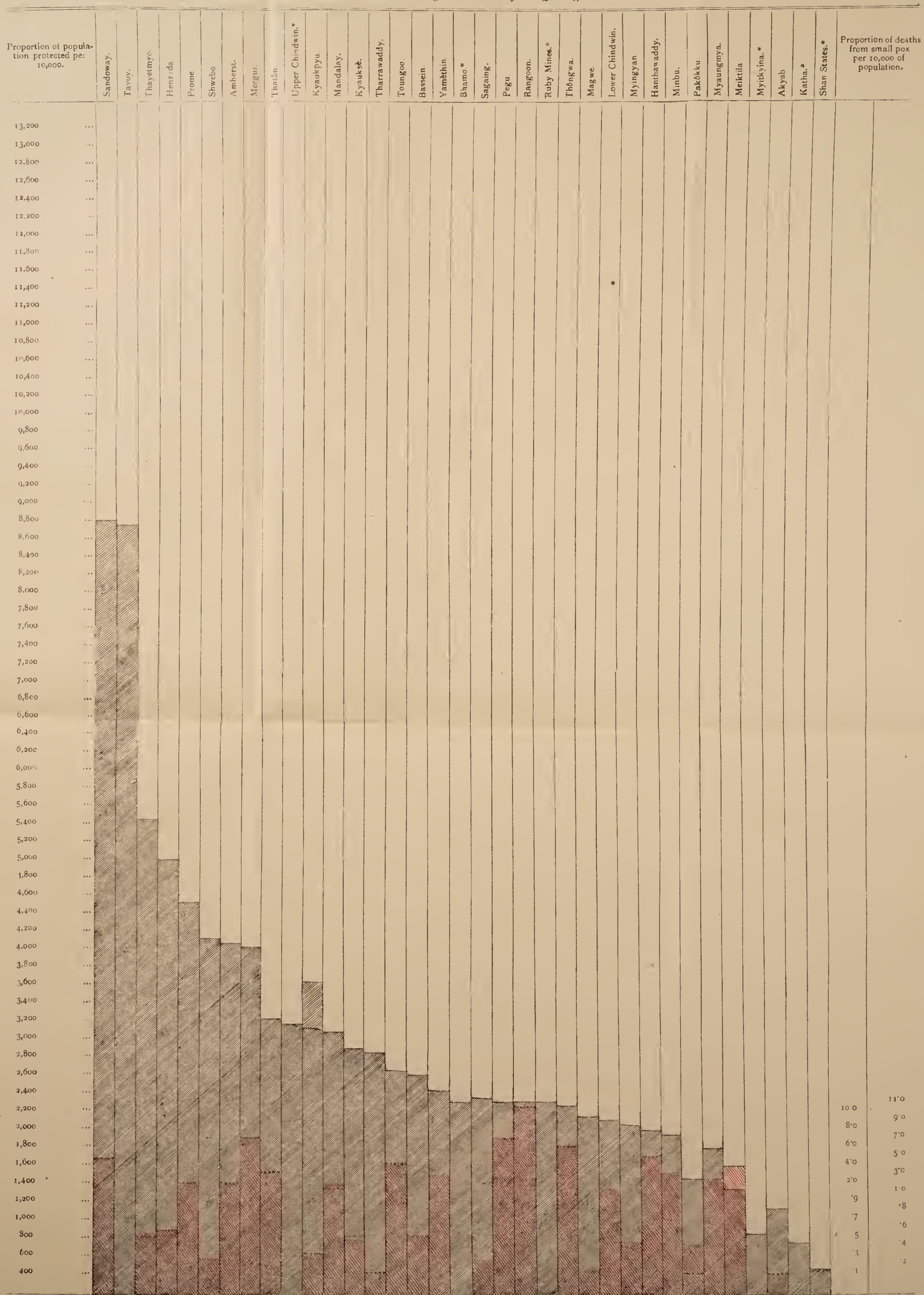
Statistics relating to the number of children under one year of age in towns available for vaccination and the number of successful operations performed on them (Para. 13).

Towns.	Number of births during the year 1902-03.	Number of deaths among children under one year of age.	Number living after deducting deaths in column 3.	Number of successful vaccinations on children under one year of age.	Date of extension of Vaccination Act into town.
1	2	3	4	5	6
Akyab	589	241	348	483	August 1883.
Kyaukpyu	78	24	54	55	April 1894.
Sandoway	86	12	74	50	September 1890.
Rangoon	3,286	1,243	2,043	1,614	April 1884.
Pegu	790	120	670	1,588	March 1893.
Prome	977	215	762	593	June 1890.
Paungdè	379	67	312	586	August 1890.
Gyobingauk	250	64	186	112	February 1897.
Letpadan	249	196	53	66	January 1897.
Thonzè	255	80	175	113	October 1897.
Ma-ubin	197	35	162	42	October 1891.
Yandoon	430	68	362	187	January 1892.
Bassein	990	199	791	847	September 1888.
Ngathaingyaung	179	27	152	122	February 1890.
Myaungmya	104	32	72	210	June 1894.
Henzada	791	253	538	538	January 1889.
Zalun	233	53	180	204	August 1894.
Myanaung	263	50	213	210	July 1889.
Moulmein	1,438	191	1,247	1,178	August 1885.
Thatôn	413	89	324	197	October 1891.
Kyaikto	239	40	199	68	March 1897.
Tavoy	757	89	668	664	December 1889.
Mergui	262	22	240	302	October 1891.
Toungoo	543	135	408	574	May 1889.
Shwegyin	206	29	177	131	January 1890.
Mandalay	6,574	1,855	4,719	5,446	August 1891.
Sagaing	364	77	287	217	April 1894.
Monywa	291	71	220	156	March 1893.
Thayetmyo	428	140	288	369	May 1889.
Yamèthin	286	101	185	167	February 1892.
Pyinmana	571	184	387	463	November 1891.
Myingyan	685	177	508	615	September 1891.
Pagan	196	6	190	229	November 1891.
Shwebo	365	102	263	179	June 1894.
Pakòkku	783	219	564	619	April 1892.
Kyauksè	308	82	226	280	May 1894.
Minbu	261	No figures available.			March 1896.
Salin					March 1896.
Taungdwingyi					February 1893.
Total	25,096	6,701	18,395	19,022	



## APPENDIX C.

Diagram showing the proportion of population protected during the seven official years from 1896-97 to 1902-03 and death-rate from small-pox during the calendar year 1902 in districts where registration is in force (Para. 7).















NOTES AND STATISTICS  
ON  
VACCINATION IN BURMA

FOR THE YEAR 1902-03.



RANGOON:

OFFICE OF THE SUPERINTENDENT, GOVERNMENT PRINTING, BURMA.

1903.

[Price,—Re. 0-5-0=5½d.]